

fronting in speech therapy

fronting in speech therapy is a common phonological process that speech-language pathologists frequently address during treatment. This articulation pattern involves the substitution of sounds typically produced at the back of the mouth with sounds made at the front, such as replacing "k" and "g" sounds with "t" and "d." Understanding fronting is essential for effective diagnosis and intervention, as it impacts speech intelligibility and language development. This article explores the nature of fronting in speech therapy, its causes, identification methods, and evidence-based treatment strategies. Additionally, it discusses the implications of fronting on communication and offers practical approaches for clinicians and caregivers. The following sections provide a comprehensive overview of this topic, designed to enhance knowledge and clinical practice.

- What Is Fronting in Speech Therapy?
- Causes and Contributing Factors of Fronting
- Identification and Assessment of Fronting
- Therapeutic Approaches to Address Fronting
- Implications of Fronting on Speech and Language Development

What Is Fronting in Speech Therapy?

Fronting in speech therapy refers to a phonological process where sounds that are normally articulated in the posterior part of the oral cavity, such as velar consonants /k/ and /g/, are replaced by sounds produced at the anterior part of the mouth, typically alveolar consonants /t/ and /d/. This substitution can affect a child's ability to produce clear and accurate speech sounds, which may lead to reduced intelligibility. Fronting is considered a typical developmental process in early childhood, but when it persists beyond the expected age range, it may indicate the need for therapeutic intervention. The process can also involve palatal fronting, where sounds produced on the palate, such as /ʃ/ ("sh") and /ʒ/ ("zh"), are replaced by alveolar sounds like /s/ and /z/.

Types of Fronting

There are two primary types of fronting observed in speech therapy:

- **Velar fronting:** Substitution of velar sounds /k/, /g/, and /ŋ/ with alveolar sounds /t/, /d/, and /n/ respectively.
- **Palatal fronting:** Replacement of palatal sounds /ʃ/, /ʒ/, /tʃ/, and /dʒ/ with alveolar sounds /s/, /z/, /ts/, and /dz/ respectively.

Recognizing these variations is crucial for accurate diagnosis and planning targeted intervention strategies.

Causes and Contributing Factors of Fronting

Several factors contribute to the occurrence of fronting in speech development. Understanding these causes helps clinicians develop comprehensive treatment plans that address underlying issues.

Developmental Factors

Fronting is often a normal part of phonological development in young children. It typically emerges as children acquire speech sounds and gradually learn to produce more complex, posterior sounds. Most children outgrow fronting by the age of 3 to 4 years as their articulatory skills mature.

Structural and Physiological Factors

Physical anomalies such as cleft palate, dental malocclusions, or abnormal tongue posture can interfere with correct sound production, leading to fronting. These structural issues may hinder the ability to articulate sounds produced at the back of the mouth accurately.

Hearing Impairments

Children with hearing loss may struggle to perceive certain speech sounds, which affects their speech production. This auditory feedback deficit can result in phonological processes like fronting persisting beyond typical developmental timelines.

Neurological and Cognitive Factors

Delays or disorders in neurological development or cognitive processing can influence speech sound acquisition. Conditions such as childhood apraxia of speech or intellectual disabilities may be associated with persistent fronting, requiring specialized therapeutic approaches.

Identification and Assessment of Fronting

Accurate identification and assessment of fronting in speech therapy are essential for effective intervention. Speech-language pathologists utilize various tools and techniques to evaluate the presence and extent of fronting.

Observation and Speech Samples

Clinicians gather spontaneous speech samples and engage children in structured tasks to observe

sound production. Listening for substitutions of velar or palatal sounds with alveolar sounds helps identify fronting patterns.

Standardized Assessment Tools

Several standardized tests assess articulation and phonological processes, including fronting. These assessments provide normative data and help determine whether fronting falls within developmental expectations or indicates a disorder.

Phonological Process Analysis

Analyzing speech errors systematically allows clinicians to classify fronting as a phonological process. This analysis guides treatment planning by pinpointing specific sound substitutions and their frequency.

Additional Evaluations

When structural or hearing issues are suspected, referrals for medical or audiological assessments may be necessary. These evaluations ensure comprehensive understanding of factors contributing to fronting.

Therapeutic Approaches to Address Fronting

Effective treatment of fronting in speech therapy involves evidence-based techniques tailored to the child's needs, developmental level, and underlying causes.

Phonological Therapy

Phonological approaches focus on helping children recognize and produce correct sound patterns rather than isolated sounds. Techniques include minimal pairs therapy, where children contrast words that differ by the fronted sound, facilitating awareness and correction of fronting errors.

Articulation Therapy

Articulation therapy targets specific sound production skills, teaching correct placement and manner of articulation for velar and palatal sounds. Techniques may involve visual, tactile, and auditory cues to guide accurate sound production.

Motor-Based Approaches

For children with motor speech disorders contributing to fronting, therapy may emphasize improving oral motor control and coordination. Exercises to strengthen the tongue and improve

movement accuracy can support correct articulation.

Parent and Caregiver Involvement

Incorporating caregivers in therapy enhances carryover and generalization of correct speech patterns. Providing education on fronting, modeling correct sounds, and encouraging practice at home are vital components of successful intervention.

Use of Technology and Visual Supports

Technology such as speech therapy apps and visual feedback tools can motivate children and provide immediate feedback on sound production, supporting correction of fronting.

Implications of Fronting on Speech and Language Development

Persistent fronting in speech therapy can have significant effects on communication and overall language development if left unaddressed.

Impact on Speech Intelligibility

Fronting may reduce speech clarity, making it difficult for listeners to understand the child. This can lead to communication breakdowns and frustration in social interactions.

Effects on Language Acquisition

Impaired speech sound production can interfere with vocabulary development, grammar acquisition, and literacy skills. Children may avoid using words with fronted sounds, affecting their expressive language abilities.

Social and Emotional Consequences

Children with persistent fronting may experience lowered self-esteem and social withdrawal due to communication difficulties. Early and effective intervention is crucial to prevent these negative outcomes.

Long-Term Considerations

If fronting persists into school age or adulthood, it can impact academic performance and vocational opportunities. Ongoing support from speech-language pathologists and educators is important for addressing these challenges.

Strategies to Support Communication

To mitigate the effects of fronting, clinicians and caregivers can implement the following strategies:

- Encourage clear and slow speech during communication.
- Provide positive reinforcement for correct sound production.
- Use visual aids and gestures to support understanding.
- Promote a supportive and patient communication environment.

Frequently Asked Questions

What is fronting in speech therapy?

Fronting is a phonological process where a child substitutes sounds produced in the back of the mouth, like /k/ and /g/, with sounds produced at the front, such as /t/ and /d/. For example, saying 'tat' instead of 'cat'.

At what age is fronting considered typical in speech development?

Fronting is commonly observed in children between the ages of 2 and 3 years old and is considered a typical part of speech development until around age 3.5 to 4 years.

When should parents be concerned about fronting in their child's speech?

Parents should be concerned if fronting persists beyond age 4 or if it significantly impacts the child's intelligibility, as this may indicate a phonological disorder requiring speech therapy.

How do speech therapists assess fronting in children?

Speech therapists assess fronting by analyzing a child's speech samples, noting substitutions of back sounds with front sounds, and using standardized phonological assessments to evaluate the severity and impact.

What are common strategies used in speech therapy to address fronting?

Common strategies include auditory discrimination tasks, minimal pair contrasts, modeling correct production, and practicing target sounds in various contexts to help the child produce back sounds correctly.

Can fronting be linked to other speech or language disorders?

Yes, persistent fronting can be associated with phonological disorders and may co-occur with other speech sound disorders or language delays, necessitating comprehensive evaluation.

Is fronting more common in children with hearing impairments?

Yes, children with hearing impairments may exhibit fronting due to difficulties perceiving and producing certain speech sounds, making speech therapy crucial in these cases.

How long does it typically take to correct fronting through speech therapy?

The duration varies depending on the child's age, severity, and consistency of therapy, but many children show significant improvement within a few months of targeted intervention.

Are there any home activities to help reduce fronting in children?

Yes, parents can engage children in activities like reading aloud, playing sound discrimination games, and practicing correct pronunciation with positive reinforcement at home.

Does fronting affect literacy development?

Persistent fronting can impact phonological awareness, which is foundational for reading and spelling skills, so addressing fronting early can support better literacy outcomes.

Additional Resources

1. Understanding Fronting in Childhood Speech Disorders

This book offers a comprehensive overview of fronting as a common phonological process in young children. It explains the underlying causes and developmental patterns, helping speech therapists differentiate between typical and atypical speech development. Practical strategies for assessment and intervention are also discussed in detail.

2. Phonological Processes and Fronting: A Practical Guide

Designed for clinicians, this guide focuses on the identification and treatment of fronting in speech therapy. It includes case studies and evidence-based techniques to facilitate accurate diagnosis and effective intervention plans. The book also covers related phonological processes to provide a holistic approach to therapy.

3. Speech Sound Disorders: Fronting and Beyond

This resource dives into various speech sound disorders, with a dedicated section on fronting. It provides a solid theoretical foundation as well as practical therapy methods tailored for children exhibiting fronting patterns. The author emphasizes functional communication and real-life application of therapy techniques.

4. Intervention Strategies for Fronting in Early Childhood

Focused on early intervention, this book outlines strategies to address fronting in toddlers and preschoolers. It incorporates play-based and family-centered approaches to make therapy engaging and effective. The book also discusses progress monitoring and adapting interventions according to individual needs.

5. Assessment Tools for Diagnosing Fronting in Speech

This book collects and reviews various assessment instruments used to identify fronting in speech disorders. It guides therapists through selecting appropriate tools and interpreting results accurately. Additionally, it covers standardized tests and informal assessment methods.

6. Phonological Therapy Techniques: Targeting Fronting

A practical manual that presents step-by-step therapy techniques specifically designed to reduce fronting errors. The book includes activities, worksheets, and visual aids that therapists can use directly in sessions. Emphasis is placed on generalization of correct articulation in natural contexts.

7. Language Development and Phonological Processes: Fronting Focus

Exploring the relationship between language acquisition and phonological processes, this book highlights how fronting fits within normal speech development. It discusses when fronting is considered typical and when intervention is necessary. The book is useful for both clinicians and researchers interested in developmental linguistics.

8. Parent-Child Interaction and Fronting Correction

This book emphasizes the role of parents and caregivers in supporting children with fronting issues. It provides guidance on how to reinforce speech therapy goals at home through everyday interactions and play. Tips for effective communication strategies and encouraging correct sound production are included.

9. Advanced Phonological Disorders: Case Studies on Fronting

Featuring detailed case studies, this book explores complex instances of fronting within broader phonological disorders. It offers insights into differential diagnosis, co-occurring speech issues, and multifaceted treatment plans. The text is geared toward experienced clinicians seeking to deepen their understanding of challenging cases.

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fronting in speech therapy: Handbook of Speech-Language Therapy in Sub-Saharan Africa Ulrike M. Lüdtke, Edward Kija, Mathew Kinyua Karia, 2023-02-03 This book synthesizes research on language development and communication disability in Sub-Saharan Africa and highlights best practices for providing speech and language therapy services to individuals with language, communication, and hearing disorders across the lifespan. The book brings together a wide range of international contributions from various disciplines, such as speech-language

pathology, audiology, developmental psychology, language education, social work, neurology, neuropsychology, pediatrics, linguistics, pedagogy, and phonetics to provide perspectives on problems, challenges, ideas, concepts, and models to serve the people in Sub-Saharan Africa. Key areas of coverage include: Challenges for speech-language therapists in the health sector. Community awareness and the sustainable delivery of services. Culture-specific support of communication and language development in early childhood. Malnutrition, dysphagia, feeding difficulties, pediatric HIV, and related issues. Communication disability treatments, including assessment and intervention, augmentative and alternative communication (AAC), and issues specific to bilingualism and biliteracy. Inclusive education of children with communication disorders with case studies from Rwanda, Tanzania, Kenya, and South Africa. The Handbook of Speech-Language Therapy in Sub-Saharan Africa is an essential reference for researchers, professors, and graduate students as well as clinicians, therapists, and other professionals in developmental psychology, speech-language pathology and therapy, social work, neuropsychology, pediatrics, special education, community based rehabilitation, and all related disciplines.

fronting in speech therapy: Children's Speech Sound Disorders Caroline Bowen, 2023-07-18 Children's Speech Sound Disorders Concise, easy-to-understand overview of current practice in articulation disorders, childhood apraxia of speech, developmental dysarthria, phonological disorders, and structurally based speech sound disorders Children's Speech Sound Disorders provides reader-friendly explanations of key aspects of the classification, assessment, diagnosis, and treatment of speech sound disorders, with clinically applicable insights from 58 distinguished contributors who draw on their current work in the child speech field in providing expert essays. This bestselling guide with international appeal includes case vignettes and relatable real-world examples to place topics in context. Children's Speech Sound Disorders also delivers information on: The evolution of current practices, working with families, telepractice innovations, and important new speech acquisition norms Phonetic, stimulability, perceptual, phonological, and motor-learning-based interventions, and facilitating phonological awareness development in children with speech sound disorders Treatment target selection, phonemic placement and shaping techniques, and goal attack strategies for a range of sounds including affricates, compensatory errors in cleft lip and palate, fricatives, /ɹ/, and vowels Lifelong speech and psychological consequences of childhood apraxia of speech and measuring speech intelligibility in children with motor speech disorders Multilingualism, language variation, and the application of constraint-based nonlinear phonology across languages Drawing on a range of theoretical, research and clinical perspectives and emphasising treatment fidelity, quality client care, and evidence-based practice, Children's Speech Sound Disorders comprises an indispensable collection of research-based clinical nuggets, hands-on strategies, thoughtful discussion, and inspiration for academics, clinicians, educators and students in speech-language pathology/speech and language therapy.

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technologies, and coding and reimbursement * New tables on skill development in gesture, feeding, and vision * New information on therapist effects/therapeutic alliance * Coverage of emerging techniques for voice disorders and transgender clients * Expanded information on: *Childhood Apraxia of Speech *Cochlear Implants *Cultural and Linguistic Diversity *Interprofessional Practice *Shared Book-Reading *Traumatic Brain Injury *Treatment Dosage/Intensity *Vocabulary Development Key Features: * Bolded key terms with an end-of-book glossary * A multitude of case examples, reference tables, charts, figures, and reproducible forms * Lists of Additional Resources in each chapter Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

fronting in speech therapy: Treatment Resource Manual for Speech-Language Pathology, Seventh Edition Froma P. Roth, Colleen K. Worthington, 2023-10-06 With major content updates and many more supporting online materials, the seventh edition of the Treatment Resource Manual for Speech-Language Pathology is an accessible and reliable source of basic treatment information and techniques for a wide range of speech and language disorders. This detailed, evidence-based manual includes complete coverage of common disorder characteristics, treatment approaches, reporting techniques, and patient profiles for child and adult clients. Divided into two sections, the first focuses on preparing for effective interventions, and includes the basic principles of speech-language therapies including various reporting systems and techniques. The second part, the bulk of the book, is devoted to treatments for specific communication disorders, including speech sound disorders, pediatric language disorders, autism spectrum disorder, adult aphasia and traumatic brain injury (TBI), motor speech disorders, dysphagia, stuttering, voice disorders, and alaryngeal speech. The last three chapters focus on effective counseling skills, cultural competence and considerations, and contemporary professional issues, including critical thinking, telepractice, simulation technologies, and coding and reimbursement. Treatment Resource Manual for Speech-Language Pathology, Seventh Edition is an ideal resource for academic courses on intervention and clinical methods in graduate speech-language programs and as a more practical supplementary text to the more traditional theoretical books used for undergraduate clinical methods courses. It is also helpful as a study guide for certification and licensing exams, and a handy manual for practicing clinicians in need of a single resource for specific therapy techniques and materials for a wide variety of communication disorders. New to the Seventh Edition * Updates to each disorder-focused chapter on treatment efficacy and evidence-based practice * New focus on a social model of disability (diversity-affirming approach to intervention) * Substantial update on approaches for autism * Expanded discussion of the use of telepractice to conduct intervention * Expanded information on cultural/linguistic diversity and cultural responsiveness/competence within the context of therapeutic intervention * Updated information on incidence/prevalence of aphasia and expanded discussion of treatment efficacy in TBI, spasmodic dysphonia, and goals for treatment of motor speech disorders * Additional Helpful Hints in each disorder chapter * Updates to the Lists of Additional Resources and Recommended Readings * Updated citations and references throughout * Significant expansion of supplementary online materials to facilitate pedagogy and enhance learning Key Features * Chapters focused on treatment of disorders include a concise description of the disorder, case examples, specific suggestions for the selection of therapy targets, and sample therapy activities * Bolded key terms with an end-of-book glossary * A multitude of case examples, reference tables, charts, figures, and reproducible forms * Helpful Hints and Lists of Additional Resources in each chapter * Updated book appendices that include the new ASHA Code of Ethics and Cultural Competency checklists in addition to disorder-specific appendices in many chapters Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

fronting in speech therapy: The Joys and Wonders on the Life of a Speech Therapist H. Courteney Mayers, 2024-09-17 As a teacher living and working in New York City Department of Education I found myself jotting down or recording many audio anecdotes my students were saying and doing that brought me to tears regularly. This book is a lovingly dedicated and devoted memoir

which honors the amazing students that crossed my path, and the relationship we continue to foster to date. It begins with how I got into teaching, moving away from the corporate world, and finding my destiny as a Speech Pathologist, rediscovering my purpose and my passion.

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content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

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fronting in speech therapy: *3 Common Speech Errors American Children Make* Camille Armstrong, 2024-11-19 *3 Common Speech Errors American Children Make* is a tool to help parents and caregivers fix their children's common speech difficulties so they can speak correctly and with confidence. This book provides a fun and comprehensive approach to correction based on the concept of learning a new physical mechanism, much like learning a new dance move. With a little time, patience, and diligence, children can go from anxiety, fear, and embarrassment to confidence and pride. About the Author Camille Armstrong is a mother of four and nanny who has helped children in her care correct their speech errors successfully. Armstrong is also an established singer, songwriter, actress, recording artist, composer, percussionist, dancer, playwright, director, and instructor for aspiring artists. She was a cast member of the show STOMP for ten years and has performed in numerous theater productions throughout her career.

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evidence-based interventions for both practicing clinicians and students in academic speech-language pathology programs. Unique in design and content, the book provides a logical and manageable approach to enhance clinical skills through guided practice for different types of communication disorders. Part I presents the basic considerations and foundations of the therapeutic process. Twenty-eight fundamental therapeutic skills are presented in a workshop format using organizers, definitions/demonstrations, think-out-loud questions, prompts for practice, post-organizers, and more. Readers are guided through a process for learning and demonstrating each of the 28 specific skills through use of three tools: Therapeutic-Specific Workshop Forms, Video Vignettes, and one Mini-Therapy Session. Part II of the text contains seven Guided Practice chapters, with selected concepts and scripted examples of therapy sessions for receptive and expressive language, social communication for children with autism spectrum disorder (ASD), articulation and phonology, voice, swallowing, resonance, and adult cognitive communication. New to the Third Edition: * Two new Guided Practice chapters: one on adult cognitive disorders and one on dysphagia/swallowing disorders * Additional information on cultural and linguistic diversity, telepractice, AAC, phonological processes, and social communication for children with ASD * Expanded focus on evidence-based practice * Video demonstrations Disclaimer: Please note that ancillary content (such as printable forms) may not be included as published in the original print version of this book.

fronting in speech therapy: *Professional Communication in Speech-Language Pathology* A. Embry Burrus, Laura B. Willis, 2024-08-27 In *Professional Communication in Speech-Language Pathology: How to Write, Talk, and Act Like a Clinician*, Fifth Edition, the authors focus on preparing student clinicians for the diverse forms of communication they will encounter in their clinic practicum experience. The text highlights the importance of effective written and verbal communication in university clinics, medical settings and public schools, and provides guidance for these professional settings. Designed to help students navigate communication challenges, the text utilizes appendices with practical examples of diagnostic and treatment reports, data sheets and essential acronyms to equip them with the necessary tools to communicate effectively. To promote a student-friendly text, vignettes are incorporated into each chapter to present ethical dilemmas, interview scenarios and procedures for handling confidential health information to help students understand the material on a practical level. New to the Fifth Edition * Expanded content regarding cultural sensitivity and bias * Updated information on current requirements and policies for written documentation * Expanded and updated information regarding HIPAA and the ASHA Code of Ethics * Numerous additional examples to further clarify the content * Reorganization of the chapters for greater flow of information * References updated throughout to reflect current research and evidence-based practice Key Features * Each chapter includes learning outcomes, active learning exercises, and reflection questions * Chapters include specific information to differentiate between the university clinic, medical, and public-school settings * Numerous vignettes to illustrate key concepts and recommended practices * Helpful appendices provide practical examples of diagnostic and treatment reports, data sheets, and essential acronyms * Evidence-based research is referenced as well as how to practically apply the information * Student-friendly verbiage to make complex concepts easy to follow

fronting in speech therapy: *Culturally Responsive Practices in Speech, Language, and Hearing Sciences, Second Edition* Yvette D. Hyter, Marlene B. Salas-Provence, 2021-11-22 *Culturally Responsive Practices in Speech, Language, and Hearing Sciences, Second Edition* provides an innovative perspective on cultural responsiveness in the field of communication sciences and disorders. It is imperative for clinicians and scientists to be aware of diverse aspects of globalization: how these aspects may affect their own knowledge, strengths, biases, and interventions, as well as the relationships between the communities, families, and individuals with whom they partner in care. This essential textbook will facilitate the creation of knowledge and the development of attitudes and skills that lead to culturally responsive practices. The text presents conceptual frameworks to guide readers toward cultural responsiveness by becoming critically engaged users of

culturally responsive and globally engaged practices. The text is focused on speech, language, and hearing, but also draws from theoretical frameworks in other disciplines for an interprofessional, transdisciplinary, and macro practice perspective, and is appropriate for other allied health professions. New to the Second Edition: * Reorganized chapters and text for a greater flow of information. * Updated throughout to reflect the current state of research. * A thoroughly revised chapter on Culturally Responsive Practices using a Human Rights Approach through a Social Justice Lens (Chapter 4) * Material on Culture and Hearing (Chapter 6) has been updated and expanded * Key terms are now bolded throughout the text. * Content has been edited to be more concise for increased readability and comprehension. * New reflection focus with thought cloud graphic noted to target these areas throughout the book. Key Features: * Case studies facilitating knowledge and skills regarding culturally and linguistically responsive practices * Journal prompts and discussion questions challenging individuals to use critical and dialectical thinking * Real-life activities that can be completed inside or outside the classroom or therapeutic setting * Suggested readings from the current literature in cultural and linguistic responsiveness and global engagement to build knowledge and skills, and to influence student attitudes Disclaimer: Please note that ancillary content (such as study guides, flashcards, and additional readings) may not be included as published in the original print version of this book.

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Raymond D. Kent, 2004 A major new reference work with entries covering the entire field of communication and speech disorders.

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fronting in speech therapy: The Routledge Handbook of World Englishes Andy

Kirkpatrick, 2020-12-31 The Routledge Handbook of World Englishes constitutes a comprehensive introduction to the study of World Englishes. Split into six sections with 40 contributions, this Handbook discusses how English is operating in a wide range of fields from business to popular culture and from education to new literatures in English and its increasing role as an international lingua franca. Bringing together more than 40 of the world's leading scholars in World Englishes, the sections cover historical perspectives, regional varieties of English from across the world, recent and emerging trends and the pedagogical implications and the future of Englishes. The Handbook provides a thorough and updated overview of the field, taking into account the new directions in which the discipline is heading. This second edition includes up-to-date descriptions of a wide range of varieties of English and how these reflect the cultures of their new users, including new chapters on varieties in Bangladesh, Uganda, the Maldives and South Africa, as well as covering hot topics such as translanguaging and English after Brexit. With a new substantial introduction from the editor, the Handbook is an ideal resource for students of applied linguistics, as well as those in related degrees such as applied English language and TESOL/TEFL.

fronting in speech therapy: Cleft Palate Speech and Resonance Linda D. Vallino, Dennis M.

Ruscello, David J. Zajac, 2018-05-18 Cleft Palate Speech and Resonance: An Audio and Video

Resource is a clinical tool to train students and clinicians to reliably identify articulation, resonance, nasal air emission, and voice aspects of cleft palate speech. The resource contains high-quality audio and video recordings of speech samples and case studies that represent a variety of speech symptoms associated with cleft palate. In addition, it includes a brief overview of the velopharyngeal mechanism and a protocol for the clinical assessment of patients with cleft-related speech disorders. All information presented is evidence based and reflects the most current knowledge on cleft palate speech. Assessment and treatment concepts in cleft care have changed significantly over the past 25 years. Speech-language pathologists need easy access to new information and state-of-the-art resources that explicitly deal with cleft care. Because children with cleft lip and palate constitute a low-incidence population, many practitioners have limited academic or clinical training in this area. The goal of this resource is to improve the knowledge base and clinical skills of practitioners by presenting current information through a range of auditory-perceptual experiences. Key Features: * Case studies with an extensive array of audio and video samples of recorded speech disorders produced by individuals with cleft palate * Addresses both knowledge and skills by presenting a wide range of auditory-perceptual experiences and content knowledge that will help students and clinicians identify the variety of speech disorders in cleft palate and the methods by which to assess them * The speech samples reflect current thinking and it contain 101 high-quality digital speech samples and cases - more than any other current text * Provides the reader with concise yet complete descriptions of the speech features associated with cleft palate and a systematic approach to assessing speech, resonance, and phonation * Presents opportunities for independent practice in listening and analyzing a variety of communication disorders and complexity and comparing perceptual findings with the authors For instructors of speech-language pathology, Cleft Palate Speech and Resonance provides a much-needed teaching resource that is necessary to understanding and identifying speech disorders in speakers with cleft palate. Practicing speech-language pathologists can use it to retool their skills and it is also a great resource for dental and medical students and residents as well as those practitioners who already serve a cleft palate team.

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